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## Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

- 1. (currently amended) A metal vapor discharge lamp
  comprising:
  - a refractory and light-transmitting hermetic vessel;
  - a pair of electrode fixed to said hermetic vessel;
- a discharge medium sealed in the hermetic vessel, the discharge medium containing a halide, a rare gas and substantially disusing mercury, the halide containing a halide of <a href="mailto:cesium">cesium</a> (Cs) which radiates light of near-infrared wavelengths (750-1100 nm); and

most of light irradiated from the metal vapor discharge lamp having near-infrared wavelengths (750 - 1100 nm).

Claim 2 (canceled).

- 3. (original) The metal vapor discharge lamp according to claim 1, further comprising a visible-light blocking filter.
- 4. (original) The metal vapor discharge lamp according to claim 1, wherein a wattage rating of the metal vapor discharge lamp is 100 W or less.
- 5. (original) The metal vapor discharge lamp according to claim 1, wherein a distance between the pair of electrodes falls within a range of 1 mm to 6 mm.
- 6. (previously presented) A metal vapor discharge lamp comprising:
  - a refractory and light-transmitting hermetic vessel;

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- a pair of electrode fixed to said hermetic vessel;
- a discharge medium sealed in the hermetic vessel, the discharge medium containing a first halide and a rare gas, the first halide containing a halide of at least one of sodium (Na), scandium (Sc) and a rare earth metal which radiate visible light (380 780 nm), the discharge medium substantially disusing mercury;
- a ratio of visible-radiation power (380 780 nm) to near-infrared radiation power (750 1100nm) falling within a range of 0.5 : 1 to 4.0 : 1, the visible-radiation power and the near-infrared radiation power being output when the metal vapor discharge lamp is in an ON state; and
  - a visible-light blocking filter.
- 7. (previously presented) The metal vapor discharge lamp according to claim 6, wherein the discharge medium includes:
- a second halide which generates a relatively high vapor pressure and being a halide of at least one metal which emits a visible light less than that emitted by the metal of the first halide; and
- a third halide containing a halide of at least one metal which radiates near-infrared light.
- 8. (original) The metal vapor discharge lamp according to claim 6, wherein the discharge medium contains a halide of at least one of potassium (K), cesium (Cs) and rubidium (Rb) which radiate light of near-infrared wavelengths (750 -1100 nm).

Claim 9 (canceled).

10. (original) The metal vapor discharge lamp according to claim 6, wherein a wattage rating of the metal vapor discharge

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lamp is 100 W or less.

- 11. (original) The metal vapor discharge lamp according to claim 6, wherein a distance between the pair of electrodes falls within a range of 1 mm to 6 mm.
- 12. (original) The metal vapor discharge lamp according to claim 6, wherein the rare gas is Xe, Xe of five atoms or more being sealed in the hermetic vessel.
  - 13. (original) A projector comprising:
  - a reflector;
- a metal vapor discharge lamp as specified in any one of claims 1 to 12, the metal vapor discharge lamp being provided on the reflector; and
- a light control member covering a front surface of the reflector.
- 14. (original) The projector according to claim 13, wherein the projector is installed in a vehicle and used as a headlamp.
- 15. (original) The projector according to claim 14, further comprising visible-light blocking means for blocking visible light and passing near-infrared light therethrough in a high beam mode, and means for removing the visible-light blocking means from a radiation direction of the metal vapor discharge lamp in a low beam mode.
- 16. (original) The projector according to claim 13, further comprising a visible-light blocking filter provided on at least one of front and rear surfaces of the light control member.

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- 17. (original) The projector according to claim 16, wherein the projector is installed in a vehicle and used as a headlamp.
- 18. (original) The projector according to claim 17, wherein the visible-light blocking filter blocks visible light and passes near-infrared light therethrough in a high beam mode, and further comprising means for removing the visible-light blocking filter from a radiation direction of the metal vapor discharge lamp in a low beam mode.
- 19. (original) A metal vapor discharge lamp lighting device comprising:
- a metal vapor discharge lamp as specified in any one of claims 1 to 12; and
- a lighting circuit which supplies a current three times or more a rated lamp current after the metal vapor discharge lamp is lit, and reduces the current with a lapse of time.